

What is claimed is:

1. A power transmission device for an astride-riding vehicle, the power transmission device comprising a torque converter and a clutch disposed in series in a transmission route between an engine and a gear transmission system, wherein the torque converter is arranged so that a pump capacity is a maximum at a speed ratio (e) = 0, and gradually decreases in response to an increase in the speed ratio (e).
2. The power transmission device for an astride-riding vehicle according to Claim 1, wherein a blade of a pump impeller in the torque converter is disposed at an angle so that, going in the radially outward direction of the pump shell, a part where the blade is joined to an inner face of a pump shell approaches the direction of rotation of the pump impeller.
3. The power transmission device for an astride-riding vehicle according to Claim 2, wherein the inclination angle of the blade toward the direction of rotation relative to the plane of rotation of the pump impeller decreases in going from the inner peripheral side of the pump impeller toward the outer peripheral side thereof.
4. The power transmission device for an astride-riding vehicle according to Claim 3, wherein the inclination angle of the blade toward the direction of rotation relative to the plane of rotation of the pump impeller is made to decrease rapidly on the outer peripheral side of the blade.